

Preflight

Preflight Inside Cockpit	
Maint. Status Sheet	Check
Squawk Sheets	Check
VOR Checks (IFR Only)	Within 30 days
Required Docs. (AROW)	On Board
Weight and CG	Within Limits
Control Lock	Remove
Avionic Switches	Off
Magneto Switch	Off
Master Switch	On
Fuel Gauges	Check Quantity
Anti-Collision Light	Check
Flaps	Extend
Master Switch	Off
Fuel Strainer	Remove
Preflight Exterior	
Left Side Fuselage	Check
Tail Tie down	Remove
Rudder & Elevator	Check
Right Side Fuselage & Antennas	Check
Aileron/Flap/Wing Tip (Light)	Check
Leading Edge	Check
Support Strut	Check
Wing Tie Down	Remove
Main Wheel/Tire/Brake/Hose	Check Condition
Fuel Drain	Drain and Check
Fuel Quantity	Check Visually
Windshield	Assure Clean
Engine Oil Level	Min 4/Max 6
Fuel Drain	Drain and Check
Propeller/Spinner/Alternator Belt	Check
Carburetor Air Filter	Check
Landing Light	Check
Nose Wheel Strut & Tire	Check Condition
Static Source Opening	Check
Main Wheel/Tire/Brake/Hose	Check Condition
Wing Tie Down	Remove
Fuel Drain	Drain and Check
Fuel Quantity	Check Visually
Pitot Tube Cover	Remove
Pitot Tube	Check Opening
Stall Warning	Check Opening
Fuel Tank Vent	Check Opening
Support Strut	Check
Aileron/Flap/Wing Tip (Light)	Check

Engine Start & Before Takeoff

Before Engine Start

Maint. Status Sheets	Check
Squawk Sheets	Check
Hobbs Sheet	Record Information
Seats, Belts & Shoulder Harness	Adjust & Lock
Fuel Shutoff Valve	On
Radios & Electrical Equipment	Off
Brakes	Test and Set
Circuit Breakers	Check in

Engine Start Checklist

Mixture	Rich
Carburetor Heat	Off
Prime	As required (up to 3 Strokes)
Throttle	Open ½ Inch
Propeller Area	Clear
Master Switch	On
Raise Flaps	
Ignition Switch	Start
Throttle	1,000 RPM or less
Oil Pressure	Check
Transponder	Standby

Before Takeoff Checklist

Brakes	Hold
Cabin Doors	Closed & Latched
Flight Controls	Free & Correct
Flight Instruments	Set
Fuel Shutoff Valve	On
Mixture	Rich (below 3,000 ft)
Elevator Trim	Takeoff
Throttle	1,700 RPM
Magnetos	Check Left & Right Max Drop 125 RPM Max Diff. 50 RPM
Carburetor Heat	Check (RPM drop)
Engine Instruments & Ammeter	Check
Suction Gage	Check
Throttle	1,000 RPM or less
Radios	Set
Transponder	Alt
Lights	As required
Throttle Friction	Adjust
Brakes	Release

Pre- & After Landing – Engine Shutdown

Pre-Landing Checklist

Seats, Belts, Harnesses	Adjust & Lock
Mixture	Rich
Carburetor Heat	On (full heat before closing throttle)
Flaps	As needed (<85 KIAS)

After-Landing Checklist

Flaps	Retract
Carburetor Heat	Off
Transponder	Standby

Engine Shutdown Checklist

Avionics & Transponder	Off
Electrical Equip. (Except Strobe & Master Switch)	Off
Throttle	1000 RPM
Mixture	Idle Cutoff
Master Switch (Strobe stays on)	Off
Magneto Switch	Off
Hobbs Sheet	Record Information
Windows	Closed
Front Seats	Slide Full Aft
Flight Controls	Secure

Emergency Checklist

Emergency Checklist ENGINE FAILURE

Airspeed	Trim for 60 KIAS
Landing Site	Choose
Fuel Shutoff Valve	On
Carburetor Heat	On
Primer	In & Locked
Mixture	Rich
Engine Gages	Check for cause

IF TIME PERMITS

Magnetos (Check)	Left/Right/Both
Throttle/Mixture	Different settings

Emergency Checklist POWER OFF LANDING

Transponder	Squawk 7700
Transmit Distress Signal	121.5 MHz
Airspeed	65 KIAS (Flaps Up) 60 KIAS (Flaps Down)
Mixture	Idle Cutoff
Ignition	Off
Master Switch	Off
Magnetos	Off
Fuel Selector	Off
Seat Bets	Tight
Doors	Unlatch
Seat Bets	Tight

Emergency Checklist ELECTRICAL FIRE

Master Switch	Off
All other Switches	Off
Vents/Cabin Air & Heat	Closed
Land as soon as possible	

Emergency Checklist ENGINE FIRE

Mixture	Idle Cutoff
Fuel Shutoff Valve	Off
Master Switch	Off
Cabin Heat & Air	Off
Airspeed	85 KIAS
Land immediately	